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Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

- 1. (currently amended) Flexible dental polymer film for coating tooth surfaces, comprising a non fiber-reinforced flexible solid polymer film layer having a continuous polymer network which comprises polymerisable groups capable of further polymerization with the film in an amount sufficient to cure the flexible film, which flexible film can be shaped around a tooth and cured by polymerization to coat a surface thereof.
- 2. (previously presented) Dental polymer film according to claim 1, wherein at least one of the polymerisable groups is an acrylate or methacrylate group.
- 3. (previously presented) Dental polymer film according to claim 1, wherein the film contains polyurethanes, Michael addition resins or other polyadducts.
- 4. (previously presented) Dental polymer film according to claim 1, wherein at least a part of the polymerisable groups is radically polymerisable.
- 5. (previously presented) Dental polymer film according to claim 1, wherein at least a part of the polymerisable groups is cationically polymerisable.
- 6. (previously presented) Dental polymer film according to claim 1, further comprising an initiator for the thermal, photochemical or redox-induced polymerisation of the polymerisable groups.
- 7. (previously presented) Dental polymer film according to claim 6, wherein the initiator is in micro-encapsulated form.
- 8. (previously presented) Dental polymer film according to claim 1, which further comprises organic or inorganic fillers.

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- 9. (previously presented) Dental polymer film according to claim 1, which further comprises one or more polymerisation inhibitors.
- 10. (previously presented) Dental polymer film according to claim 1, which further comprises one or more antioxidants.
- 11. (previously presented) Dental polymer film according to claim 1, which further comprises one or more dyes and/or pigments.
- 12. (previously presented) Dental polymer film according to claim 1, which further comprises a primer.
- 13. (previously presented) Dental polymer film according to claim 1, wherein when the polymer film having two sides is shaped around a tooth surface the side of the polymer film facing the tooth surface is coated with a primer for the adhesion to the tooth surface.
- 14. (previously presented) Dental polymer film according to claim 1, which further comprises an anti-adhesive additive.
- 15. (previously presented) Dental polymer film according to claim 1, wherein when the polymer film having two sides is shaped around a tooth surface the side of the polymer film facing away from the tooth surface is coated with an anti-adhesive additive to prevent accumulation of plaque.
- 16. (previously presented) Dental polymer film according to claim 1, which further comprises one or more active substances, antimicrobial compounds, or antibiotics.
- 17. (previously presented) Dental polymer film according to claim 1, which is detachably held on a carrier film.

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- 18. (original) Dental polymer film according to claim 17, wherein the carrier film is in the form of an inflatable film bag.
- 19. (previously presented) Dental polymer film according to claim 17, wherein the carrier film is translucent.

20-23. (canceled)

24. (previously presented) Kit comprising a dental polymer film according to claim 1 for sealing and mechanical protection of the tooth surface and an adhesive for fixing the polymer film to the tooth surface.

25-26. (canceled)